

**Notice of Allowability**

Application No.

10/713,835

Examiner

Matthew O. Savage

Applicant(s)

WHITMORE ET AL.

Art Unit

1724

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 12-4-06.
2. ☒ The allowed claim(s) is/are 1-3, 5-7, 9-11, 26-28, 30, and 31 renumbered 1-14, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 6-23-06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

Matthew O Savage  
Primary Examiner  
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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stanley R. Moore on 2-26-07.

1. (Currently Amended) A system for purifying fluid, said system comprising:
  - a filtration canister for filtering particulates from the fluid and including:
    - a cylindrical container,
    - a filter element for removing the particulates from the fluid,
    - the filtration canister adapted for receiving one of a plurality of types of the filter element and for receiving fluid via a pipe connection,
    - a head for sealing an upper portion of the container,
    - a threaded stud for securing the head and the container,
    - a centering spring for securing the filter element around the threaded stud,
    - means for securing and sealing the head and the filter element therein without allowing fluid to bypass the filter element; and
  - a separate evaporation canister, in flow communication with the filtration canister, for removing liquid contaminants by evaporation and including:
    - a heating wand and an evaporator cup assembly housed within the evaporation canister, said evaporator cup having a base containing an orifice through which fluid flow is received, said orifice defining an opening at a floor of the evaporator cup for

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directing fluid into the evaporator cup, the heating wand being disposed adjacent the base said floor and over the orifice said opening of the evaporator cup and defining a fluid volume within the evaporator cup and above the heating wand that is greater than the a fluid volume therebeneath within the evaporator cup and beneath the heating wand, wherein the fluid flow from the orifice engulfs the heating wand thereby facilitating heating of the fluid rising in the evaporator cup and the evaporation of the liquid contaminants.

26. (Currently Amended) The system of claim 1, wherein the ~~container~~ evaporation canister is formed of cold rolled steel and plated with Nickel Plating, and wherein the head of the evaporation canister is formed of Aluminum Alloy.

31. (Currently Amended) A system for purifying fluid, said system comprising:  
a filtration canister for filtering particulates from the fluid;  
a separate evaporation canister, in flow communication with the filtration canister,  
for removing liquid contaminants by evaporation and including:

a heating wand and an evaporator cup assembly housed within the evaporation canister, said evaporator cup having a base containing an orifice through which fluid flow is received, said orifice defining an opening at a floor of the evaporator cup for directing fluid into the evaporator cup, the heating wand being disposed adjacent the base said floor and over the orifice said opening of the evaporator cup and defining a fluid volume within the evaporator cup and above the heating wand that is greater than

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the a fluid volume therebeneath within the evaporator cup and beneath the heating wand, wherein the fluid flow from the orifice engulfs the heating wand thereby facilitating heating of the fluid rising in the evaporator cup and the evaporation of the liquid contaminants.

Claims 12-25 and 29 have been canceled.

On line 14 of page 9 of the specification, -- The heating wand and evaporator cup assembly are housed within the evaporation canister. The evaporator cup has a base containing an orifice through which fluid flow is received. The orifice defines an opening at a floor of the evaporator cup for directing fluid into the evaporator cup. The heating wand is disposed adjacent the floor and over the opening to define a fluid volume within the evaporator cup and above the heating wand that is greater than a fluid volume within the evaporator cup and beneath the heating wand.-- has been inserted after "possible."


The following is an examiner's statement of reasons for allowance:

The prior art fails to teach or suggest the limitations of the heating wand being disposed adjacent the floor and over the opening of the evaporator cup and defining a fluid volume within the evaporator cup and above the heating wand that is greater than a fluid volume within the evaporator cup and beneath the heating wand as recited in instant claims 1 and 31

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew O. Savage whose telephone number is (571) 272-1146. The examiner can normally be reached on Monday-Friday, 7:00am-3:30pm.

  
Matthew O Savage  
Primary Examiner  
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